

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	Wang.in. and (threshold with peak) and ((impulse adj1 repsonse) with peak)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 16:32
S2	2	Wang.in. and (threshold with peak) and ((impulse adj1 response) with peak)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 16:33
S3	12	("4021808" "4499606" "4653116" "5629639" "6163580").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 16:34
S4	31	375/343.ccls. and (((impulse or channel) adj1 response) with peak)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 16:38
S5	26	S4 and (correlat\$4 same peaks)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 16:35
S6	38	(375/343.ccls. or 375/134.ccls. or 375/142-143.ccls. or "150".ccls.) and (((impulse or channel) adj1 response) with peak)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 17:05
S7	151	(((impulse or channel) adj1 response) with peak) and (correlat\$4 same peak) and ((position or time) with peak) and ((threshold or value or limit) with peak)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 17:08
S8	137	S7 not S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 17:07
S9	139	((impulse near2 response) with peak) and (correlat\$4 same peak) and ((position or time) with peak) and ((threshold or value or limit) with peak)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/21 18:16
S10	127	S9 not S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/22 11:15

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S11	49	((impulse near2 response) with peak) and (correlat\$4 same peak) and ((position or time) with peak) and ((threshold or value or limit) with peak) and ((position or time) near3 (impulse adj1 response))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/22 11:16
S12	160	(correlat\$4 same peak) and ((position or time) with peak) and ((threshold or value or limit) with (side-lobe or sidelobe or (side adj1 lobe))) and ((correlat\$4) same (side-lobe or sidelobe or (side adj1 lobe)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/22 11:19
S13	46	S12 and (compar\$4 with (side-lobe or sidelobe or (side adj1 lobe)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/22 13:27
S14	160	(correlat\$4 same peak) and ((position or time) with peak) and ((threshold or value or limit) with (side-lobe or sidelobe or (side adj1 lobe))) and ((correlat\$4) same (side-lobe or sidelobe or (side adj1 lobe)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/22 13:28
S15	41	S14 and (arrival near3 time)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/22 13:28
S16	160	(correlat\$4 same peak) and ((position or time) with peak) and ((threshold or value or limit) with (side-lobe or sidelobe or (side adj1 lobe))) and ((correlat\$4) same (side-lobe or sidelobe or (side adj1 lobe)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/24 14:38
S17	41	S16 and (arrival near3 time)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/24 14:38
S18	119	S16 not S17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/24 14:39
S19	2	("6853695").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/26 15:25
S20	2	("7058399").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/26 15:25

## EAST Search History

S21	0	S20 and thershold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/26 15:25
S22	2	S20 and threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/26 15:32
S23	3	(correlat\$4 same peak) and ((position or time) near4 peak) and (peak near4 threshold) and (((multiple or plurality) adj3 peaks) same (impulse adj1 response))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:44
S24	38	(correlat\$4 same peak) and ((position or time) near4 peak) and (peak near4 threshold) and (peaks with (impulse adj1 response))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 16:07
S25	2	("20030081662").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/26 17:59
S26	0	S25 and (impulse)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/26 16:04
S27	0	S25 and (subtract\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/26 16:05
S28	22	(correlat\$4 same peak) and ((position or time) with peak) and ((threshold or limit or value) with (sidelobe or (side adj1 lobe) or (side-lobe))) same (subtract\$4 or combin\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 16:09
S29	22	(correlat\$4 same peak) and ((position or time) with peak) and (((threshold or limit or value) with (sidelobe or (side adj1 lobe) or (side-lobe))) same (subtract\$4 or combin\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 16:09
S30	48	(correlat\$4 same peak) and ((position or time) with peak) and ((threshold or limit or value) with (sidelobe or (side adj1 lobe) or (side-lobe))) and (time near3 (arriv\$5 or arrival))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 16:37
S31	65	S30 or S29	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 16:10

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S32	19	(correlat\$4 same peak) and ((position or time) with peak) and ((threshold or limit or value) with (sidelobe or (side adj1 lobe) or (side-lobe))) and (subtract\$4 same (autocorrelat\$4 or auto-correlat\$4 or template))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 16:44
S33	66	(correlat\$4 same peak) and ((position or time) with peak) and (threshold near4 peak) and (accumulat\$4 near4 peaks)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 16:54
S34	0	(correlat\$4 same peak) and ((position or time) with peak) and (threshold near4 peak) and (accumulat\$4 near4 peaks) and ((impulse adj2 reponse) with peaks)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 16:54
S35	4	(correlat\$4 same peak) and ((position or time) with peak) and (threshold near4 peak) and (accumulat\$4 near4 peaks) and ((impulse adj2 response) with peaks)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 16:54
S36	4	(correlat\$4 same peak) and ((position or time) with peak) and (threshold near4 peak) and (accumulat\$4 near4 peaks) and ((impulse adj2 response) with peak)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 17:00
S37	2	("20030086512").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/27 11:55
S38	0	S37 and digital	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/26 18:53
S39	0	(2004/0156426).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/26 18:53
S40	2	("20040156426").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/26 18:53
S41	1	S40 and subtract\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/26 18:53
S42	0	S37 and (sidelobe or (side adj1 lobe)) with threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/26 19:25

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S43	1	S37 and (sidelobe or (side adj1 lobe)) with threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 19:26
S44	1	S37 and (sidelobe or (side adj1 lobe)) same threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 19:35
S45	16	threshold with (sidelobe or (side adj1 lobe)) with (mainlobe or centerlobe or (main adj1 lobe) or (center adj1 lobe)) with ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 19:36
S46	2	S45 and correlat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 19:37
S47	2	((position near2 (impulse adj1 response)) with peak) same correlat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 19:38
S48	17	((position near2 (impulse adj1 response)) with peak)and correlat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 19:39
S49	17	((position near2 (impulse adj1 response)) with peak) and correlat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 19:41
S50	1	((detect\$4 near2 (impulse adj1 response)) with peak) same correlat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 19:42
S51	17	S49 and (impulse adj1 response)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 19:42
S52	2	("20030086512").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/27 11:55
S53	1	S52 and (threshold with sidelobe)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 11:56
S54	0	S52 and (threshold with decreas\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 11:56

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S55	272	((impulse adj1 response) with (position or time) with (peak))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 12:22
S56	159	(impulse adj1 response) with ((position or time) near3 (peak))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 12:32
S57	68	S56 and (correlat\$4 same peak)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 13:37
S58	4	(impulse adj1 response) with ((first or earliest) near3 (peak)) with correlat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 12:33
S59	6	(impulse adj1 response) with ((first or earliest) near3 (peak)) same correlat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 12:33
S60	61	((impulse adj1 response) near3 peak) same correlat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 12:57
S61	48	S60 not S57	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 12:59
S62	44	(correlat\$4 same peak) and (threshold near4 (peak near3 ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 15:56
S63	2	(correlat\$4 same peak) and ((threshold near4 (ratio)) with ((side adj1 lobes) or sidelobes) with ((main adj1 lobes) or mainlobes))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 15:58
S64	6	(correlat\$4 same peak) and ((threshold with (ratio)) with ((side adj1 lobes) or sidelobes) with ((main adj1 lobes) or mainlobes))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 15:58
S65	6	(correlat\$4 same peak) and ((threshold with (ratio)) with ((side adj1 lobes) or sidelobes) with ((center adj1 lobes) or centerlobes))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 15:59
S66	44	(correlat\$4 same peak) same (threshold near3 (ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 15:59

## EAST Search History

S67	37	S66 not S62	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 16:01
S68	37	S67 and threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 16:54
S70	2	"20040156448".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/27 17:02
S71	2	("20030081662").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/28 10:27
S72	1	S71 and arrival	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/03/29 02:42